PROJECT NARRATIVE

For a

Wireless Communication Facility at

Scottsdale Rd & Dynamite Rd.

Southwest corner of Scottsdale Rd. and Dynamite Rd.
Scottsdale, Arizona

Cingular Wireless Project PHNXAZP362 (958001046)

60-DR-2005
09/15/05

Background

Cingular Wireless is currently providing wireless telephone communications services throughout the Valley and across much of the U.S. Its Federal Communication Commission license for the Arizona region requires it to provide service throughout this market area, including Scottsdale. In response to significant population growth and increased demand for its wireless services, and its commitment to provide service throughout this area, Cingular Wireless is expanding its coverage in Arizona, as well as increasing the number of available channels in the growing urbanized areas of Arizona. To satisfy demand for its wireless services in the vicinity of Scottsdale Road and Dynamite Road, Cingular is requesting approval of a wireless communication facility to be installed on a new traffic signal on the southwest corner of Scottsdale and Dynamite. The application for this site is one in a series designed to provide coverage for residents, businesses, and visitors in the Scottsdale area. It is the goal of Cingular to work with the City of Scottsdale to build and maintain a competitive wireless network, providing quality wireless service to residents and travelers, offering the benefits of competition as encouraged by the FCC.

Summary of Request

Co-location

Co-location in regards to a wireless communication facility refers to the sharing of a wireless facility by more than one wireless provider or the sharing of an alternative tower structure. The principal benefit from co-location is that fewer wireless communication facilities are needed to serve a given area or an existing structure is shared to reduce the need for new verticality. Co-location has become a favored policy and is often encouraged by many jurisdictions. Knowing that co-location is preferred by the City of Scottsdale, this application is the result of a shared commitment between Cingular Wireless and the City of Scottsdale to utilize co-location opportunities whenever possible.

Existing Conditions

The intersection of Scottsdale and Dynamite currently has a traffic signal at every corner. Three of the signals have signals with light standards at the top of the signal. The signal on the southwest corner does not have a light on the traffic signal. It was determined after researching the signal with the City of Scottsdale Traffic department that the signal does not have a light because of overhead power lines that used to run over the signal. There are currently no overhead power lines at the intersection. Power and telephone pedestals, needed to operate Cingular's WCF, are located near the traffic signal at the southwest corner of the intersection.

Nature of Request

After meeting with the City of Scottsdale Traffic department, it was determined that Cingular would be able to co-locate a six (6) foot canister on a new thirty (30) foot traffic signal. Cingular's representatives will be responsible for raising a new 30 foot signal at the intersection and removing the existing signal. The replacement traffic signal has been approved by Scottsdale Planning and Traffic. At the request of the city, Cingular's representatives will hire certified persons to oversee the construction of the traffic signal.

The antennas are to be located inside a six (6) foot canister atop the pole. The canister will have a diameter no greater than 16 inches. All coaxial cables will run from the antennas (through a conduit(s) inside the pole) to ground equipment located next to the signal. The ground equipment will be located in an equipment vault next to the site. A power and telco meter will be placed next to the vault on an H-frame. The pole, canister, and vault/meter will be painted *Western Reserve Frazee 8716 N* per Scottsdale's requirements.

In the meeting with Scottsdale Traffic it was determined that the replacement traffic signal should be place approximately ten (10) feet south of its current location. It was determined that the city plans to expand Dynamite Road and that moving the signal south will avoid having to relocate the signal in the future. Infranext visited the site with Scottsdale Traffic to determine the proper place to locate the pole. The new location is indicated on the drawings submitted with this application.

The location of the vault was moved in August to accommodate a horse trail running through the future development to the south of the site. In a meeting at the site on August 10th the current location of the vault and meter was agreed upon. This proposal plans to screen the vault by using vegetation and a "hitching post" fence design which matches the fence running along the north side of Dynamite.

As discussed with the City of Scottsdale, this type of wireless application is intended to be applied were ever possible to take advantage of existing verticality, while utilizing a standard pole design. Once complete, the WCF will help fill a needed coverage gap while blending in with the needed traffic signal.

Operations

Once the site has been constructed, antennas mounted, and radio and telephone equipment added and tuned, a technician may visit the site once or twice a month for routine maintenance. The wireless site is also self-monitoring and connects directly to a central office for any equipment malfunction or security breach. Ingress and egress is already accessible with the existing City of Scottsdale street system.

Noise, Light, Visual and other Pollutants:

The wireless facility will not use any water, wastewater, or solid waste services. No additional lighting is proposed. The visual impact of the proposed telecommunications additions is minimal due to the existing traffic signal and the stealth antenna application.

Alternatives

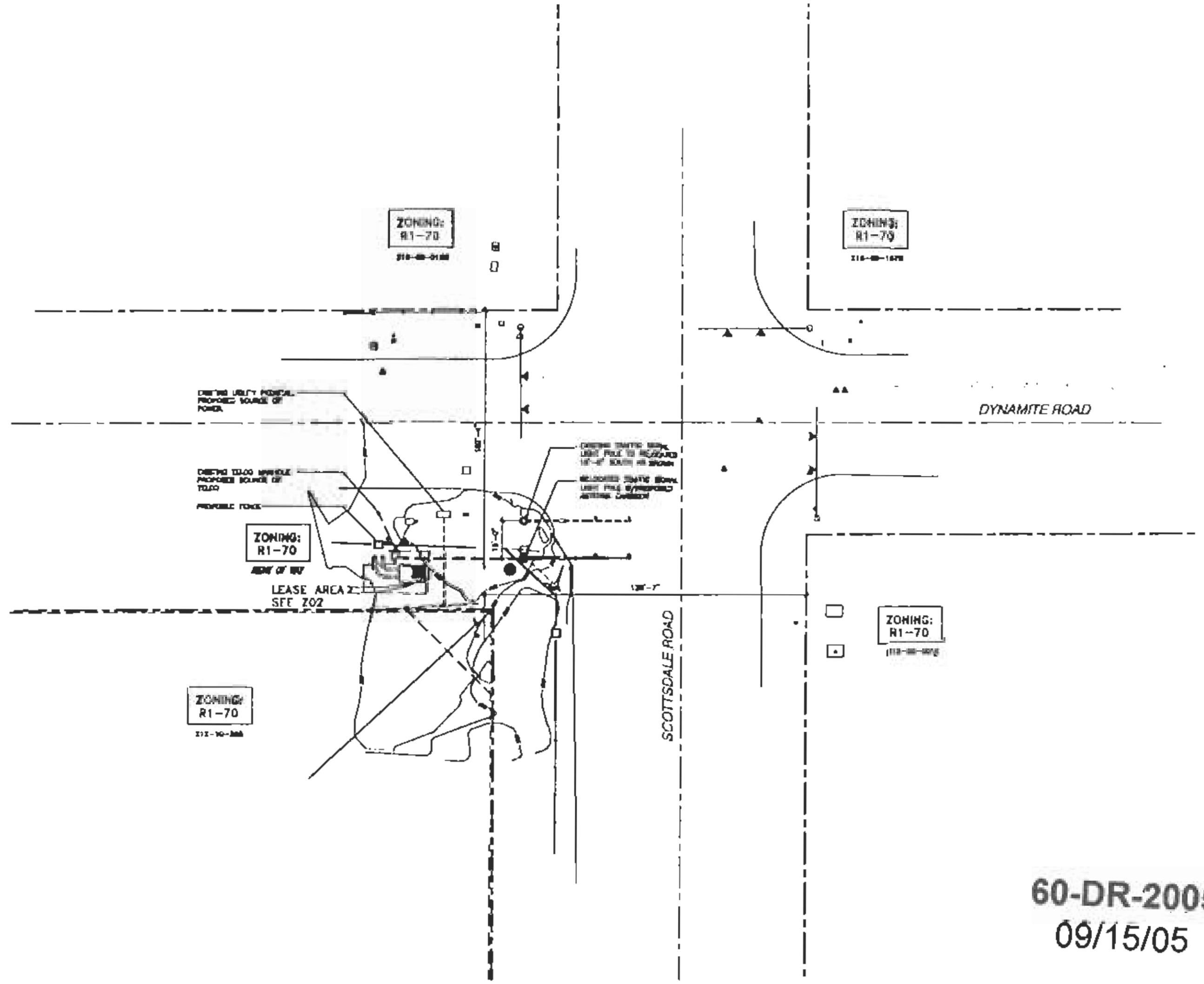
There is no existing verticality in the area which meets Cingular height requirements. The traffic signal is the best application which meets Scottsdale's requirements for collocations. The other three traffic signals did not have enough room in the right of way for the needed equipment or available power/telco at those corners of the intersection.

Notification

Infranext, representing Cingular, followed the guidelines of Scottsdale's Neighborhood Involvement Packet and the WCF ordinance. All property owners within 750 feet of the intersection were mailed a notification letter, a set of site plans, and a photo simulation of what the site should look like once complete. A copy of the packet sent to the property owners will be submitted with the pending application. After submitting a *Request for Neighborhood Group/HOA Information* form, a list of neighborhood contacts was given to us by the city. All contacts were notified by mail. The notifications were sent out on November 11th, 2004.

Conclusion

It is the goal of Cingular Wireless to work in cooperation with the City of Scottsdale in the development of their wireless network. By collocating on a City traffic signal and enclosing the antennas in a canister, this site will be a good solution to a difficult coverage area. This area of Scottsdale is infamous for its spotty cellular coverage (much of it due to the difficulty in finding adequate collocation opportunities). Approving this application will allow Cingular to improve coverage in a fast growing area known for having "spotty" coverage.



GENERAL NOTES:

SIGNS

1. INSTALL EMERGENCY INFORMATION PLACARD NEAR ENTRANCE GATE OF EQUIPMENT AREA (OR MOST VISIBLE PLACE ON OUTSIDE COMPOUND WALL). PLACARD IS TO CONTAIN SITE NAME, SITE NUMBER, COMPANY NAME, ADDRESS INFORMATION, AND A "800" NUMBER TO CALL IN CASE OF EMERGENCY. PLACARD IS TO CONSIST OF HIGH CONTRAST LETTERING (WHITE BACK GROUND W/ RED LETTERING) BEHIND VANDAL RESISTANT LEXAN COVER.

2. INSTALL ADDRESS PLACARD NEAR ENTRANCE GATE OF EQUIPMENT AREA (OR FACING STREET OF ASSOCIATED ADDRESS). PLACARD IS TO CONTAIN 12" TALL HIGH CONTRAST LETTERING (WHITE BACK GROUND AND RED LETTERS) BEHIND VANDAL RESISTANT LEXAN COVER.

LIGHTING

1. ADDITIONAL LIGHTING WILL BE INSTALLED IF REQUIRED BY MUNICIPALITY FOR SECURITY PURPOSES.

2. ALL LIGHTING IS TO BE INSTALLED NO HIGHER THAN 8'-0", [illegible] BY MUNICIPALITY.

3. ALL LIGHTING WILL BE TYPE OF "FULL CUT OFF LOUVER".

REPLACEMENT OF AREA LIGHTING

1. IN THE EVENT THE CARRIER PROPOSES TO REPLACE EXISTING FIELD, PARKING OR BUILDING LIGHTING, ALL LIGHTS, FIXTURES WILL MATCH THE ORIGINAL INSTALLATION UNLESS NOTED OTHERWISE. LIGHTS WILL BE [illegible] BACK TO THEIR ORIGINAL POSITION.

COMPLIANCE

1. ADA COMPLIANCE: FACILITY IS NOT STAFFED AND NOT NORMALLY OCCUPIED.

2. CONTRACTOR IS RESPONSIBLE FOR ERECTING TEMPORARY BARRICADES AND/OR FENCING TO PROTECT THE SAFETY OF THE PUBLIC DURING CONSTRUCTION.

3. THE ANTENNAS SHALL NOT INTERFERE WITH ANY EXISTING COMMUNICATION SIGNALS.

4. ALL ITEMS SHOWN ON THIS DRAWING ARE EXISTING UNLESS OTHERWISE NOTED.

5. DEVELOPMENT AND USE OF THE SITE WILL CONFORM TO ALL APPLICABLE CODES AND ORDINANCES.

SITE DRAINAGE

1. EXISTING DRAINAGE FLOW WILL REMAIN AS IT CURRENTLY IS.

PAINTING

1. THE FINISH COLOR OF ALL EQUIPMENT ASSOCIATED WITH THIS PROJECT WILL BE "WESTERN RESERVE" PER SCENIC CORRIDOR GUIDELINES.

LANDSCAPING

1. LANDSCAPE OF PROPOSED SITE WILL BE SHOWN ON FINAL CONSTRUCTION DRAWINGS PER THE FOLLOWING:

- ALL PLANTS WILL BE DROUGHT TOLERANT.
- ALL PLANTS WILL BE SELECTED FROM ADWR LOW WATER USE DROUGHT TOLERANT PLANT LIST.
- TOP OF BOULDERS, LANDSCAPING, AND BERMS MUST COLLECTIVELY BE OF [illegible] TO SCREEN THE H-FRAME.
- ALL BOULDERS SHALL BE BURIED TO A MINIMUM OF 1/3 OF THE TOTAL HEIGHT.

LINE OF SIGHT TRIANGLES

1. ALL EQUIPMENT ASSOCIATED WITH THIS PROJECT IS OUT OF THE LINE OF SIGHT TRIANGLES AS DEFINED BY SCOTTSDALE CITY DESIGN STANDARD [illegible].

60-DR-2005
09/15/05

NOTE: SCALE IS FOR 24" x 36" SHEETS ONLY. REFER TO BAR SCALE [illegible]

SITE PLAN

INFRANEXT

MACTEC

MACTEC PROJECT NUMBER: 4974.04.1401.35

DYNAMITE / 64TH ST.
PHNXAZP362A
28914 NORTH SCOTTSDALE RD.
SCOTTSDALE, AZ 85251

cingular WIRELESS
PROJECT OFFICE

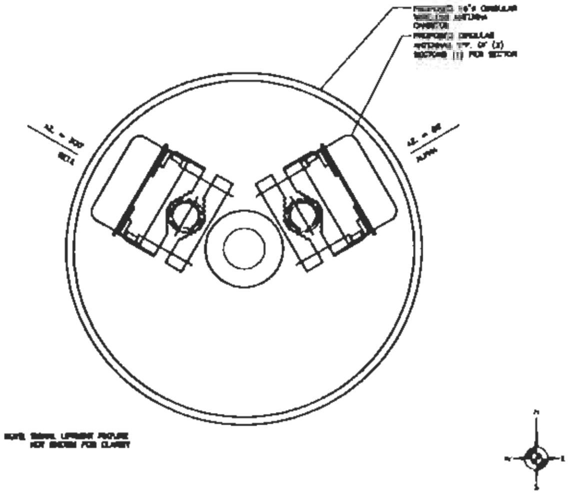
NO.	DATE	REVISIONS	BY	CHK	APP'D
0	[illegible]	ISSUED FOR ZONING	[illegible]	[illegible]	[illegible]

SCALE: AS SHOWN

SITE PLAN

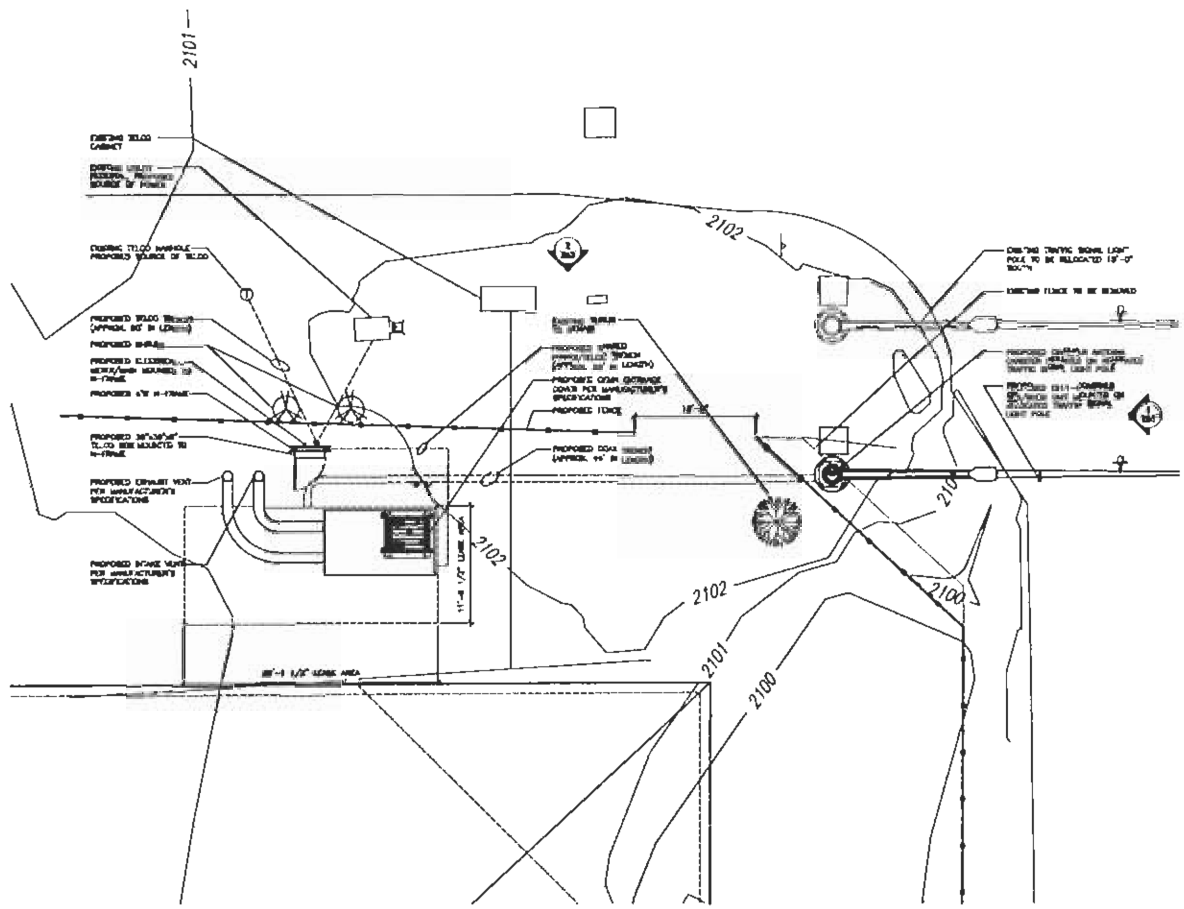
1

PHNXAZP362A-Z01



ANTENNA LAYOUT 2

NOT USED 3



60-DR-2005
09/15/05

ENLARGED SITE PLAN 1

INFRANEXT

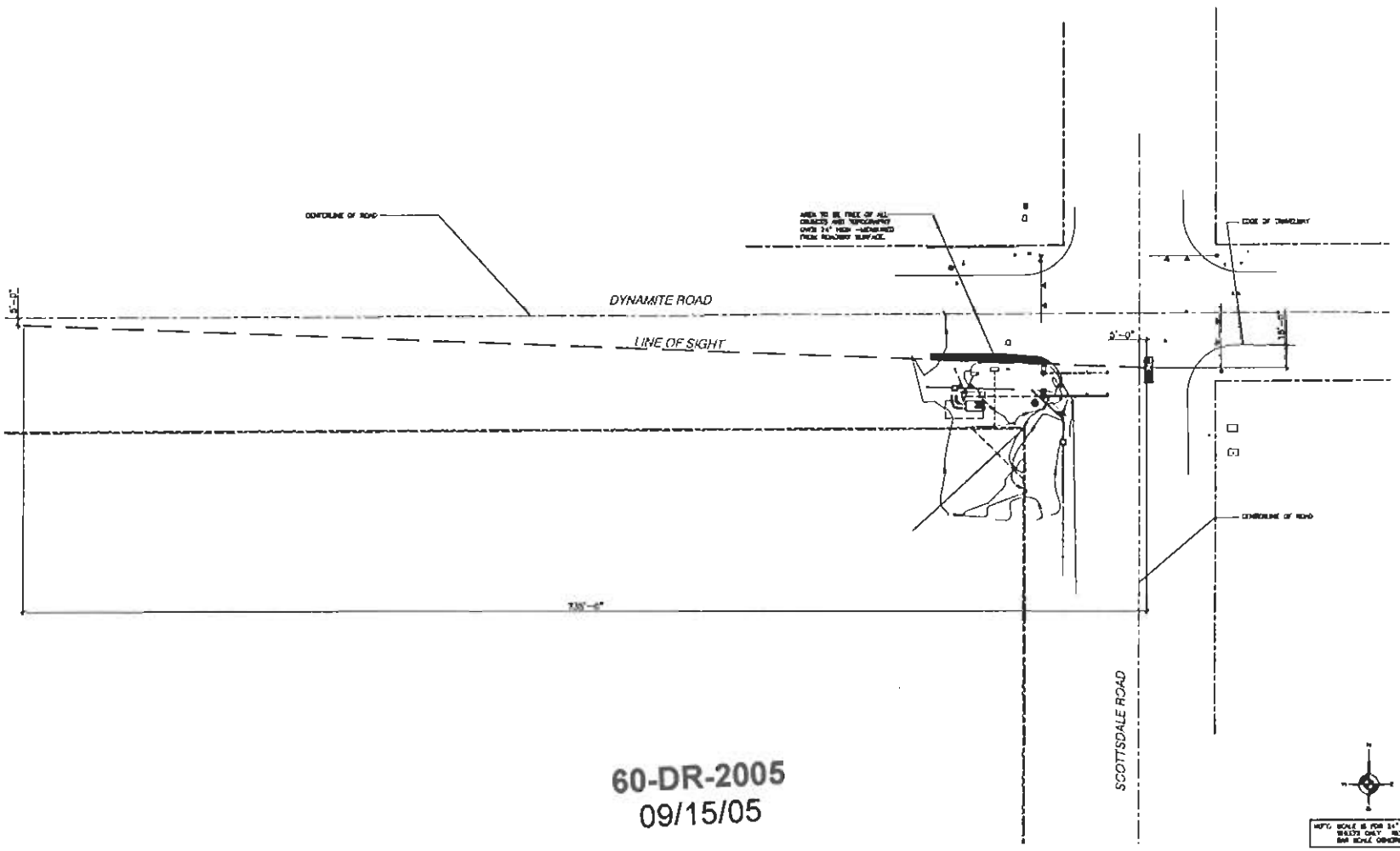
MACTEC

MACTEC PROJECT NUMBER 4874.04.1401.35

DYNAMITE / 64TH ST.
PHNXAZP362A
28914 NORTH SCOTTSDALE RD.
SCOTTSDALE, AZ 85251

cingular

ENLARGED SITE PLAN AND
ANTENNA LAYOUT



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SITE TRIANGLE PLAN

INFRANEXT

MACTEC

MACTEC PROJECT NUMBER: 4874.04.1401.35

DYNAMITE / 64TH ST.
PHNXAZP362A
26914 NORTH SCOTTSDALE RD.
SCOTTSDALE, AZ 85251

cingular WIRELESS

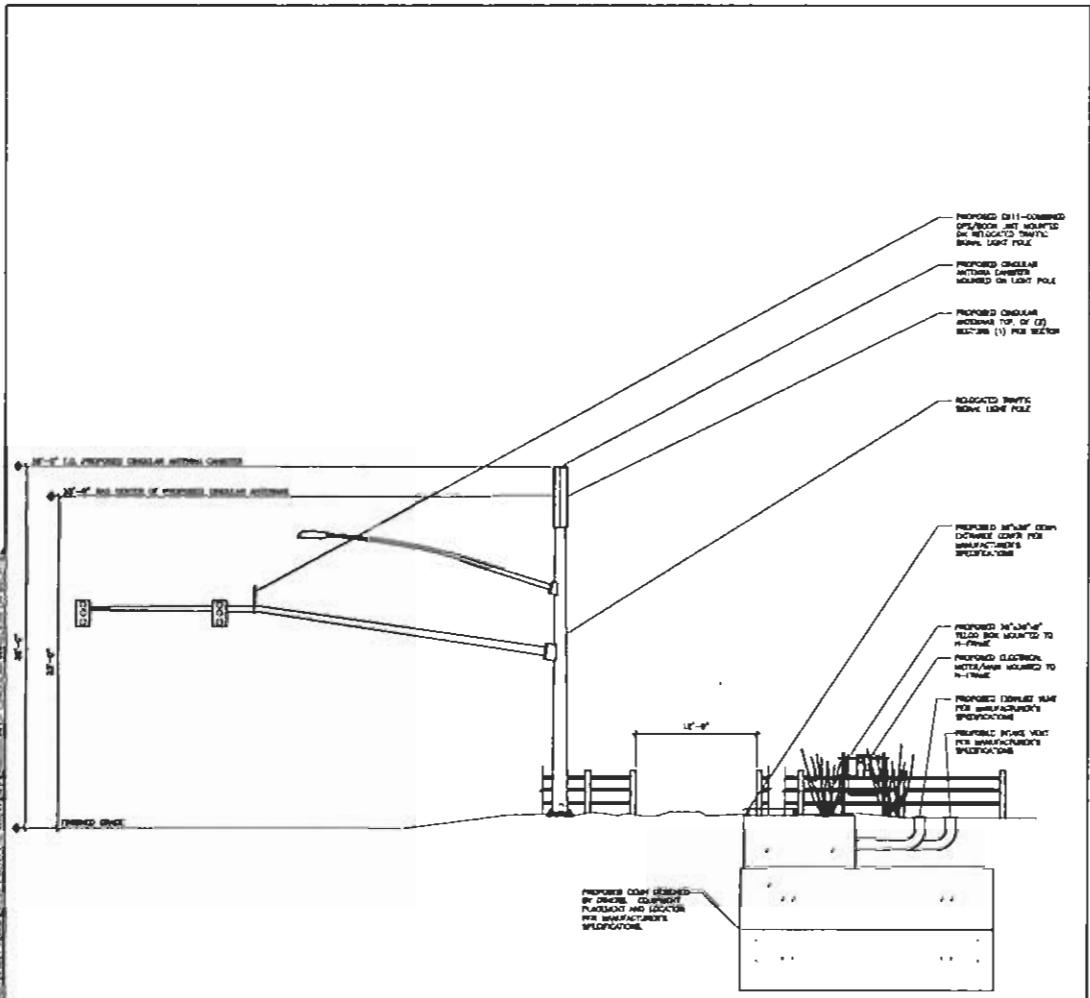
NO.	DATE	REVISIONS	BY	CHK	APP'D
0	09/13/05	ISSUED FOR ZONING	DR	RAB	RAB

SCALE: AS SHOWN | DESIGNED: DAK | DRAWN: DAK

SITE TRIANGLE PLAN

PROJECT NUMBER: 24897-615

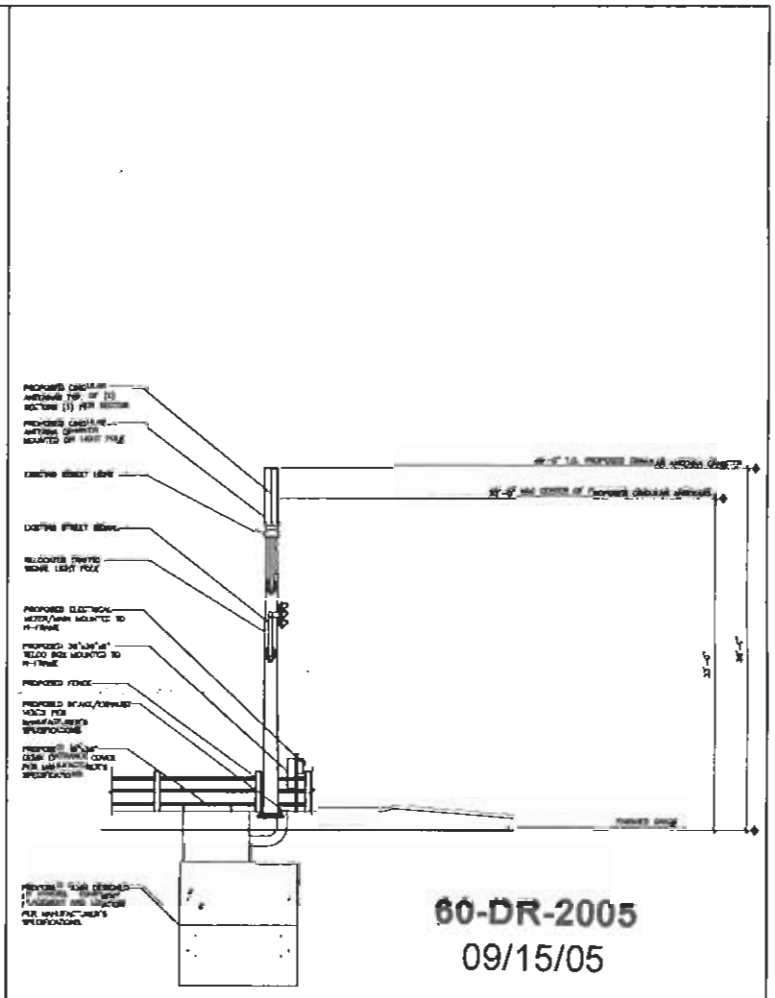
DRAWING NUMBER: PHNXAZP362A-Z04



NORTH ELEVATION LOOKING SOUTH

SCALE: 1/4" = 1'-0"

2



EAST ELEVATION LOOKING WEST

SCALE: 1/4" = 1'-0"

1

60-DR-2005

09/15/05

INFRANEXT

MACTEC

ARCHITECT PROJECT NUMBER: 4974.04.1401.35

DYNAMITE / 64TH ST.
PHNXAZP362A
28914 NORTH SCOTTSDALE RD.
SCOTTSDALE, AZ 85251

cingular

PROJECT OFFICE:
3344 E. CAMELBACK RD. SUITE 1160
PHOENIX, AZ 85018

NO.	DATE	REVISIONS	BY	CHK	APP'D
0	09/13/05	ISSUED FOR ZONING	CB	BAR	RAB

SCALE: AS SHOWN | DESIGNED: BAR | DRAWN: CAK

ELEVATIONS

PROJECT NUMBER: 24897-615

DRAWING NUMBER: PHNXAZP362A-Z03